

IN THE CLAIMS

Please cancel German language claims 1-35, all of the claims set forth in the text of PCT/DE2003/003529. Please also cancel claims 1-6 and 17-33, as submitted by KBA under Article 34 on December 2, 2004. Please add new claims 36-86, as follows.

Claims 1-35 (Cancelled)

36. (New) A method for producing a rotating body usable in a printing press comprising:

- providing a barrel of said rotating body;

- providing a shell face on said barrel;

- forming a groove in said shell face;

- providing a profiled body;

- arranging said profiled body in said groove in material-to-material contact along a common joining surface;

- connecting said profiled body with said barrel by one of electron beam welding, soldering and glueing; and

- applying one of a corrosion-proof layer and a corrosion-proof material cover to said shell face of said barrel.

37. (New) The method of claim 36 further including providing said profiled body having a protrusion and placing said protrusion adjacent said shell face of said barrel.

38. (New) A method for providing a rotating body useable in a printing press comprising:

providing a barrel of said rotating body;

providing a shell face on said barrel;

forming a groove in said shell face;

providing, circumferentially spaced walls in said groove; and

forming a profiled body on said opposing spaced walls of said groove

using welding processes.

39. (New) The method of claim 38 further including forming said profiled body in said groove with said profiled body having a protrusion at said shell face of said barrel.

40. (New) The method of claim 38 further including applying one of a corrosion-proof layer and a corrosion-proof material cover to said shell face of said barrel.

41. (New) The method of claim 36 including selecting said corrosion-proof layer as one of nickel and iron-austenite-cobalt, and using a high speed flame method of applying said corrosion-proof layer.

42. (New) The method of claim 38 including selecting said corrosion-proof layer as one of nickel and iron-austenite-cobalt, and using a high speed flame method of applying said corrosion-proof layer.

43. (New) The method of claim 36 including selecting said corrosion-proof layer as a titanium oxide and using a flame-spraying method of applying said corrosion-proof layer.

44. (New) The method of claim 38 including selecting said corrosion-proof layer as a titanium oxide and using a flame-spraying method of applying said corrosion-proof layer.

45. (New) The method of claim 37 further including one of resurfacing and grinding said shell face after applying said one of said corrosion-proof layer and said corrosion-proof material.

46. (New) The method of claim 39 further including one of resurfacing and grinding said shell face after applying said one of said corrosion-proof layer and said corrosion-proof material.

47. (New) A rotating body useable in a printing press comprising:

a rotating body barrel, said barrel having an outer shell face;

a groove formed in said shell face, said groove including joining surfaces spaced apart from each other in a circumferential direction of said barrel, said groove having a groove depth in a radial direction of said barrel;

a profiled body in said groove and being welded together with said barrel on said joining surfaces, said profiled body at least partially covering said groove and

having a profiled body structural depth less than said groove depth.

48. (New) The rotating body of claim 47 wherein said groove is a flow channel adapted to receive a heat carrying flowable medium, said profiled body closing said groove off toward said shell face.

49. (New) The rotating body of claim 47 further including at least one dressing end holding means in said groove and further including a slit-shaped opening in said profiled body, said slit-shaped opening at least partially opening said groove toward said shell face.

50. (New) A rotating body useable in a printing press comprising:

- a rotating body barrel, said barrel having an outer shell face;

- an axially extending groove formed in said shell face, said groove including a joining surface;

- first and second profiled bodies in said groove, said profiled bodies being welded to said barrel on said joining surface and being spaced apart from said other in a circumferential direction of said barrel;

- a slit-shaped opening defined by said first and second profiled bodies and located at said shell face;

- a securement channel formed by said first and second profiled bodies and arranged in said groove; and

- at least one dressing end holding means in said securement channel and

adapted to hold a dressing arranged on said shell face.

51. (New) The rotating body of claim 47 wherein said rotating body is arranged in a printing press.

52. (New) The rotating body of claim 47 wherein said groove extends in an axial direction of said rotating body.

53. (New) The rotating body of claim 47 wherein said groove extends at least partly in said circumferential direction of said rotating body.

54. (New) The rotating body of claim 50 wherein said groove extends at least partly in said circumferential direction of said rotating body.

55. (New) The rotating body of claim 53 wherein said at least partly circumferentially extending groove is a flow channel and further including a plurality of axially extending flow channels connected to said circumferentially extending flow channel.

56. (New) The rotating body of claim 54 wherein said at least partly circumferentially extending groove is a flow channel and further including a plurality of axially extending flow channels connected to said circumferentially extending flow channel.

57. (New) The rotating body of claim 47 wherein said profiled body is a molded

element.

58. (New) The rotating body of claim 50 wherein said profiled body is a molded element.

59. (New) The rotating body of claim 47 wherein in an axial direction of said rotating body, said profiled body is shaped as a strip.

60. (New) The rotating body of claim 50 wherein in an axial direction of said rotating body, said profiled body is shaped as a strip.

61. (New) The rotating body of claim 47 wherein several of said profiled bodies are provided in an axial direction of said rotating body.

62. (New) The rotating body of claim 50 wherein several of said profiled bodies are provided in an axial direction of said rotating body.

63. (New) The rotating body of claim 47 wherein said profiled body is a corrosion-resistant material.

64. (New) The rotating body of claim 50 wherein said profiled body is a corrosion-resistant material.

65. (New) The rotating body of claim 63 wherein said profiled body is a corrosion-resistant steel.

66. (New) The rotating body of claim 64 wherein said profiled body is a corrosion-resistant steel.

67. (New) The rotating body of claim 47 wherein at least a part of one of said joining surfaces close to said shell face has smooth walls without curvature in an axial direction of said rotating body.

68. (New) The rotating body of claim 50 wherein at least a part of one of said joining surfaces close to said shell face has smooth walls without curvature in an axial direction of said rotating body.

69. (New) The rotating body of claim 47 wherein said groove forms a securement channel with one of a round and a rectangular cross-section.

70. (New) The rotating body of claim 50 wherein said groove forms a securement channel with one of a round and a rectangular cross-section.

71. (New) The rotating body of claim 47 wherein said barrel includes a base body having a surface and further including a cover on said base body surface and forming said shell face, said groove being formed in said base body and being covered at least

partially, at said base body surface by said profiled body.

72. (New) The rotating body of claim 50 wherein said barrel includes a base body having a surface and further including a cover on said base body surface and forming said shell face, said groove being formed in said base body and being covered at least partially, at said base body surface by said profiled body.

73. (New) The rotating body of claim 47 wherein said profiled body is welded by electron beam welding.

74. (New) The rotating body of claim 50 wherein said profiled body is welded by electron beam welding.

75. (New) The rotating body of claim 47 wherein said welding includes hard soldering in a vacuum.

76. (New) The rotating body of claim 50 wherein said welding includes hard soldering in a vacuum.

77. (New) The rotating body of claim 47 wherein said barrel is a corrosion-susceptible material.

78. (New) The rotating body of claim 50 wherein said barrel is a corrosion-

susceptible material.

79. (New) The rotating body of claim 47 wherein said shell face is covered with a corrosion-proof protective layer.

80. (New) The rotating body of claim 50 wherein said shell face is covered with a corrosion-proof protective layer.

81. (New) The rotating body of claim 79 wherein said protective layer covers at least a part of a front face of said profiled body oriented toward said shell face.

82. (New) The rotating body of claim 80 wherein said protective layer covers at least a part of a front face of said profiled body oriented toward said shell face.

83. (New) A rotating body useable in a printing press comprising:
a rotating body barrel having an outer shell face;
an opening in said shell face; and
at least one edge on said opening adjacent said shell face, said at least one edge being made of a corrosion-resistant material.

84. (New) The rotating body of claim 83 wherein said opening has first and second oppositely located edges each made of said corrosion-resistant material.

85. (New) The rotating body of claim 83 further including a profiled body in said barrel and wherein said at least one edge is formed on said profiled body.

86. (New) The rotating body of claim 85 further including a groove in said shell face and wherein said profiled body is in said groove.